

**REMARKS**

Claims 1-7, 15-21, and 26-35 are pending in this application and subject to Examination. Claims 8-14 and 22-25 were previously canceled.

Claims 1-7 and 29-35 stand rejected under 35 U.S.C. § 112, second paragraph. Claims 1-7, 15-21, and 26-35 stand rejected under 35 U.S.C. § 102(a). Claims 2, 3, 5-7, 16, 17, 19-21, 26, and 32-35 have been objected to. The title of the invention has further been objected to.

By this Amendment, claims 1-3, 5-7, 16-17, 19-21, 26, 29, and 31-35, and the title of the invention, have been amended. The amendments to the claims and to the title of the invention are for the purpose of correcting minor matters of form. No new matter has been added.

**I. OBJECTIONS TO THE SPECIFICATION AND CLAIMS**

In the Office Action mailed June 28, 2005, the title of the invention was objected to. The title of the invention has been replaced with a new title. Therefore, Applicant respectfully requests withdrawal of the objection to the title.

Claims 2, 3, 5-7, 16, 17, 19-21, and 32-35 stand objected to. These claims have been amended in accordance with the Examiner's suggestions. In light of the amendments to the claims, withdrawal of the objection to the claims is respectfully requested.

**II. CLAIM REJECTIONS UNDER 35 U.S.C. § 112**

Claims 1-7 and 29-35 stand rejected under 35 U.S.C. § 112, second paragraph, as failing to particularly point out and distinctly claims the subject matter of the invention. In particular, the Office Action stated that it is unclear how the claim language describes a method and system for generating a test vector. Claims 1 and 29 have been amended by this amendment, and no longer recite the language "generating a test vector." In light of the amendments to the claims, withdrawal of the rejection under 35 U.S.C. § 112 is respectfully requested.

**III. CLAIM REJECTIONS UNDER 35 U.S.C. § 102**

Claims 1-7, 15-21, and 26-35 stand rejected under 35 U.S.C. 102(a) as being anticipated by the Chung-Yang Huang et al. paper entitled Assertion Checking by Combined Word-level ATPG and Modular Arithmetic Constraint-Solving Techniques (hereinafter “the Huang paper”).

It is respectfully noted that Applicant for the present application, Chung-Yang Huang, is a co-author of the Huang paper. Furthermore, it is noted that Applicant is the sole inventor of the invention as claimed in the present application. Accordingly, a declaration under 37 CFR 1.132 is submitted herewith, which unequivocally states that Applicant conceived of the subject matter disclosed in the Huang paper and claimed in the present application.

The declaration under 37 CFR 1.132 overcomes the Huang paper. Accordingly, withdrawal of the rejection under 35 U.S.C. 102(a) is respectfully requested.

**CONCLUSION**

By this Amendment, claims 1-3, 5-7, 16-17, 19-21, 26, 29, and 31-35, and the title of the invention, have been amended. Furthermore, a declaration under 37 CFR 1.132 has been submitted herewith.

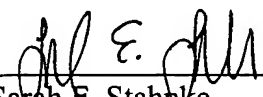
In light of the Amendments to the Specification and the Claims and further in light of the foregoing remarks and the accompanying declaration, withdrawal of the objections and rejections is respectfully requested, and the prompt issuance of a Notice of Allowance is solicited.

If the Examiner feels that prosecution of the application would be expedited via telephone, the Examiner is encouraged to contact Applicant's representative at the number listed below.

The Commissioner is authorized to charge any fees due in connection with the filing of this document to Bingham McCutchen's Deposit Account No. 50-2518, referencing billing number **7038322001**. The Commissioner is authorized to credit any overpayment or to charge any underpayment to Bingham McCutchen's Deposit Account No. 50-2518, referencing billing number **7038322001**.

Respectfully submitted,  
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